

# **Transparent Flame Retardant Polycarbonate Compositions**

## **Abstract**

Transparent polycarbonate compositions are made from polycarbonate produced in a base-catalyzed melt polymerization reaction to which an acidic quencher has been added in a 1 to 30-fold molar ratio with respect to the amount of initial basic catalyst; and a potassium perfluoralkane sulfonate and cyclic siloxane containing flame-retardant component. In the composition these components work in combination such that the composition achieves a V0 UL flammability rating at a thickness of 2.0 mm, preferably 1.6 mm, and has a haze of no more than 1%.